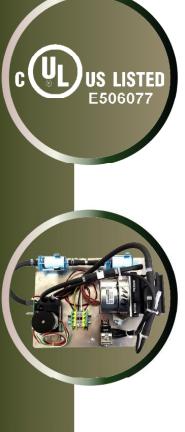




LIII WEINE LIIS WEINE SPECIE



# THE COMPLETE SOLUTION ...

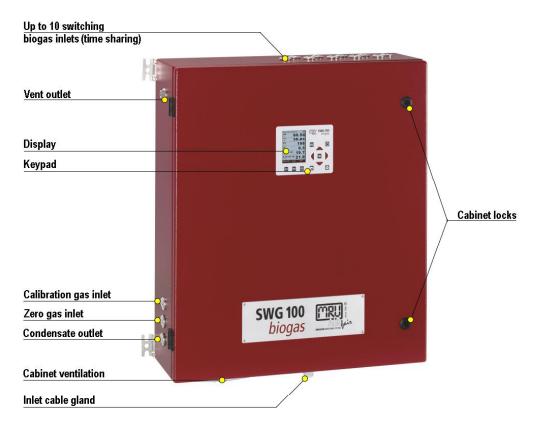




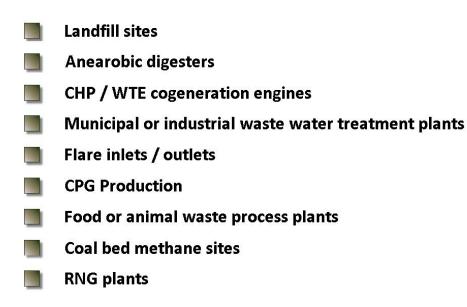


Measuring CH4, CO2, O2, H2S (high & low ranges) H2 and calculated N2 and calorific values

- Continuous or semi-continuous operation
- Efficient gas prep provides fast and reliable measurements
- Sampling from low suction to high pressure
  - Up to 10 sites monitoring via time sharing
  - Fresh air auto zero
- Interfaces 4 to 20 mA, RS485 Modbus, Ethernet Profibus, alarm relais
- Safety: Monitored ventilation fan, gas flow restrictor, optional %LEL detector and flame arrester
- Fast & easy installation
- Auto calibration with optional second port
- 50:1 dilution system allowing up to 100,000 ppm H<sub>2</sub>S



## THE IDEAL SOLUTION FOR ....



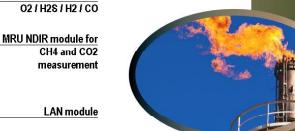










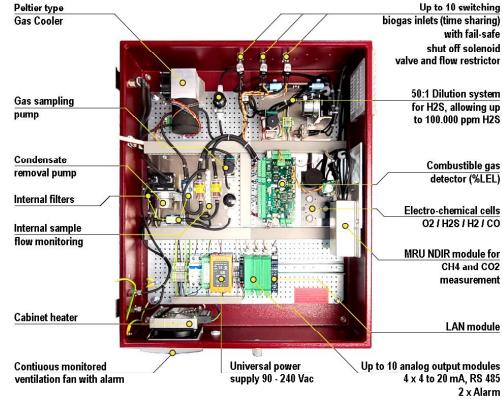


Up to 10 analog output modules 4 x 4 to 20 mA, RS 485 2 x Alarm

with fail-safe shut off solenoid

Combustible gas

detector (%LEL)







### **TECHNICAL SPECIFICATIONS**

Measurement components			Measuring range	Measuring method
CH4	Methane		0-100 %	NDIR
CO2	Carbon dioxide		0-100 %	NDIR
02	Oxygen		0 - 25 %	electrochemical, continuous
H2S	Hydrogen sulfide	H2 immune	0 - 50 / 250ppm	electrochemical, discontinuous
H2S	Hydrogen sulfide		0 - 200 / 1,000ppm	electrochemical, discontinuous
H2S	Hydrogen sulfide		0 - 2,000ppm / 4,000ppm	electrochemical, discontinuous
H2S	Hydrogen sulfide	H2 immune	0 - 2,000ppm / 5,000ppm	electrochemical, discontinuous
H2	Hydrogen		0 - 1,000ppm	electrochemical, discontinuous
СО	Carbon monoxide		0 - 4,000ppm / 20,000ppm	electrochemical, discontinuous

#### H2S dilution systems 50:1

for landfills and other high H2S applications, not only has the range been extended, but additionally, high resiliency sensors can be used providing better accuracy and stability, especially in difficult applications such as landfills, dairy digesters, etc.

Calculated component	Calorific value: 0 – 50 MJ/m3; MJ/kg		
HMI human machine interface	3.5" TFT color display Backlit keyboard, password protected operation 4x analog output 4-20 mA, floating, max. load 500R 2 alarm relays, potential free contacts 24 Vdc/5 A RS485 digital interface (Modbus RTU) DIN-rail RS485 / Profibus converter		
System safety components	Monitored cabinet ventilation fan Stainless steel flow restrictor orifice Sample gas shut-down solenoid valve LEL (CH4) monitoring inside cabinet		
Sample preparation	Stainless steel gas fittings with 1/8" ID threads Electric gas cooler Teflon particulate filter, internal Viton hosing Monitored and regulated sample flow 4060 l/h Sample inlet pressure: -40 inH2O to +120 inH2O (-100 mbar to +300 mbar) Sample venting: atmosphere pressure		
Cabinet dimensions	Aluminum with anti-corrosive structural painting 27.55" x 23.61" x 8.26" (700 x 600 x 210 mm) ( H x W x D ) for wall or rack mounting		
Weight / Protection Ambient temperature Installation site Cabinet conditioning	55lbs (25kg) / IP54 41°F113°F (+5°C+45°C) or -4°F113°F (-20°C+45°C) with cabinet heater Indoor or outdoor (rain and sun shade is mandatory user scope of supply) Continuous, monitored fan ventilation Cabinet heater 200 W (option)		
Power supply	Universal 90 - 240 Vac / 47 - 63 Hz / 90 W (300 W with cabinet heater)		

Data subject to change without notice

### **MRU Instruments, Inc.**

Humble, Texas 77338 Tel.: (832) 230 - 0155 Fax: (832) 230 - 1553 info@mru-instruments.com www.mru-instruments.com Support and sales by:

